

LISTING OF CLAIMS:

1-3. (canceled)

4. (new) A three-dimensional CAD system which forms a three-dimensional model by sequentially stacking a plurality of components to which shape data indicating shapes of the components and reference data indicating positions of the components are assigned, which displays the three-dimensional model on a screen, and which comprises:

storing shape data and reference data of a first three-dimensional model, when forming a second three-dimensional model by deleting or modifying a component of the first three-dimensional model;

displaying an incomplete second three-dimensional model on the screen made by deleting or modifying the component of the first three-dimensional model; and

comparing the shape and reference data of the first three-dimensional model and shape and reference data of a second three-dimensional model to extract shape and reference data that are missing from the second three-dimensional model; and

converting the extracted shape and reference data into information indicating the cause of the missing component and displaying the information on the screen.

- 2 -

Application No. 10/029,874  
Attorney Docket No.: VX012398

5. (new) The three-dimensional CAD system according to claim 4, wherein an approximate position of the missing component is calculated and the missing component is displayed at the approximated position on the incomplete second three-dimensional model on the screen.

6. (new) The three-dimensional CAD system according to claim 4, wherein a modification plan to include the missing component on the incomplete second three-dimensional model is calculated and shown on the screen

- 3 -

Application No. 10/029,874  
Attorney Docket No.: VX012398